

**Sewer Fund Summary****SEWER CAPITAL PROJECTS - VRL & Local**

	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
BALANCE FORWARD, July 1, 2003	\$2,473,596	\$2,018,596	\$643,596	\$493,596	\$443,596	\$543,596
INCOME:						
TRANSFER FROM OPERATING FUND	\$800,000	\$1,000,000	\$1,100,000	\$1,200,000	\$1,300,000	\$1,400,000
BALANCE AND INCOME	\$3,273,596	\$3,018,596	\$1,743,596	\$1,693,596	\$1,743,596	\$1,943,596
EXPENDITURES:						
SEWER - Eligible & Ineligible Funded & grants	\$3,855,000	\$6,075,000	\$4,500,000	\$3,750,000	\$3,900,000	\$3,800,000
TOTAL EXPENDITURES	\$3,855,000	\$6,075,000	\$4,500,000	\$3,750,000	\$3,900,000	\$3,800,000
BALANCE(DEFICIT)	(\$581,404)	(\$3,056,404)	(\$2,756,404)	(\$2,056,404)	(\$2,156,404)	(\$1,856,404)
NET BORROWING:						
BONDS PROCEEDS	\$500,000	\$1,600,000	\$500,000	\$500,000	\$500,000	\$500,000
VIRGINIA REVOLVING LOAN	\$2,100,000	\$2,100,000	\$2,750,000	\$2,000,000	\$2,200,000	\$1,600,000
BALANCE FORWARD	\$2,018,596	\$643,596	\$493,596	\$443,596	\$543,596	\$243,596



Sewer Fund Project Detail Summary

SIX-YEAR PROPOSED PROGRAMMING TO BE FINANCED BY THE CITY					
Project Title	FY 2004	FY 2005	FY 2006	FY 2007	
SEWER					
Burton Creek Interceptor Replacement	100,000	2,700,000	0	0	
Source of Funding:					
<i>G. O. Bond</i>	100,000	2,700,000	0	0	
Capitalized Interest	50,000	50,000	50,000	50,000	
Source of Funding:					
<i>G. O. Bond</i>	50,000	50,000	50,000	50,000	
Field Operations Facility	180,000	0	0	0	
Source of Funding:					
<i>G. O. Bond</i>	180,000	0	0	0	
Fishing Creek Interceptor Replacement	0	0	0	0	
Source of Funding:					
<i>G. O. Bond</i>	0	0	0	0	
Major Collection System Repairs	500,000	500,000	500,000	500,000	
Source of Funding:					
<i>G. O. Bond</i>	500,000	500,000	500,000	500,000	
Rainleader Disconnect Program	100,000	100,000	100,000	100,000	
Source of Funding:					
<i>G. O. Bond</i>	100,000	100,000	100,000	100,000	
Sewer Extensions	200,000	200,000	200,000	200,000	
Source of Funding:					
<i>G. O. Bond</i>	200,000	200,000	200,000	200,000	
Sewer Separation and Rehabilitation (CSO)	2,325,000	2,325,000	2,800,000	2,800,000	
Source of Funding:					
<i>G. O. Bond</i>	225,000	225,000	800,000	800,000	
VRLF	2,100,000	2,100,000	2,000,000	2,000,000	
Federal/State Grant	0	0	0	0	
Sewer System Master Study	150,000	0	0	0	
Source of Funding:					
<i>G. O. Bond</i>	150,000	0	0	0	
Waste Water Treatment Plant Alternate Disinfection	0	100,000	750,000	0	
Source of Funding:					
VRLF	0	100,000	750,000	0	
Waste Water Treatment Plant Improvements	250,000	100,000	100,000	100,000	
Source of Funding:					
<i>G. O. Bond</i>	250,000	100,000	100,000	100,000	
Total Estimates Submitted 04-09 CIP	\$3,855,000	\$6,075,000	\$4,500,000	\$3,750,000	
Source of Funding:					
<i>G. O. Bond</i>	\$1,755,000	\$3,875,000	\$1,750,000	\$1,750,000	
VRLF	\$2,100,000	\$2,200,000	\$2,750,000	\$2,000,000	
Federal/State Grant	\$0	\$0	\$0	\$0	



		SIX -YEAR ESTIMATED NET COST	EXPENDITURES THROUGH 06/30/02	FY 2003 APPROPRIATION	ESTIMATED COST BEYOND PROGRAM PERIOD	TOTAL ACCUMULATED PROJECT COST
FY 2008	FY 2009					
0	0	2,800,000	0	0	0	\$2,800,000
0	0					
50,000	50,000	300,000	0	110,000	0	\$410,000
50,000	50,000					
0	0	180,000	0	0	0	\$180,000
0	0					
500,000	1,000,000	1,500,000	0	0	0	\$1,500,000
500,000	1,000,000					
500,000	500,000	3,000,000	Continuing	252,592	Continuing	\$3,252,592
500,000	500,000					
100,000	100,000	600,000	Continuing	606,466	Continuing	\$1,206,466
100,000	100,000					
200,000	200,000	1,200,000	Continuing	852,782	Continuing	\$2,052,782
200,000	200,000					
2,450,000	1,850,000	14,550,000	Continuing	12,451,811	Continuing	\$27,001,811
250,000	250,000					
1,200,000	600,000					
1,000,000	1,000,000					
0	0	150,000	0	0	0	\$150,000
0	0					
0	0	850,000	0	0	0	\$850,000
0	0					
100,000	100,000	750,000	Continuing	2,900,000	0	\$3,650,000
100,000	100,000					
\$3,900,000	\$3,800,000	\$25,880,000	\$0	\$17,173,651	\$0	\$43,053,651
\$1,700,000	\$2,200,000					
\$1,200,000	\$600,000					
\$1,000,000	\$1,000,000					



Project Title: Burton Creek Interceptor Replacement
Project Manager(s): Tim Mitchell

Description:

Replacement of 12,000 l.f. of the existing interceptor from Burton Creek/Custer Drive to Rock Castle Creek and Route 501.

Timetable:

FY 2004 Q1-4: Architect/Engineering Services
 FY 2005 Q1 through FY 2006 Q2: Construction

Location:

Along Burton Creek and Rock Castle Creek and adjacent to Route 501 and Wards Road

Status of Project Site:

City owned.

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

None

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated
	<u>Prior:</u>	<u>Beyond:</u>	<u>Project Cost:</u>
	0	0	\$2,800,000

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
City Engineering	100,000						\$100,000
Construction		2,700,000					\$2,700,000
Totals	\$100,000	\$2,700,000					\$2,800,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	100,000	2,700,000					\$2,800,000
Pay-As-You-Go							
Other							
Totals	\$100,000	\$2,700,000					\$2,800,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Field Operations Facility
Project Manager(s): Tim Mitchell

Description:

Utility field operations must be relocated due to the construction of a new treatment process building at the College Hill Water Plant. Consolidation of work area is desired.

Timetable:

FY 2004 Q1-2: New Building Construction

Location:

Site is located adjacent to the Wastewater Treatment Facility on Concord Turnpike.

Status of Project Site:

City Owned.

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

Undetermined.

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated
	<u>Prior:</u>	<u>Beyond:</u>	<u>Project Cost:</u>
	0	0	\$180,000

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Construction	180,000						\$180,000
Totals	\$180,000						\$180,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	180,000						\$180,000
Pay-As-You-Go							
Other							
Totals	\$180,000						\$180,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Fishing Creek Interceptor Replacement
Project Manager(s): Tim Mitchell

Description:

Replacement of 9,100 l.f. of the final division of the main interceptor serving the Fishing Creek drainage basin.

Timetable:

FY 2007 Q1 through FY 2008 Q4: Architect/Engineering Service
 FY 2007 Q3 through FY 2008 Q4: Construction

Location:

Along Fishing Creek from Murray Place to Candler's Mountain Road.

Status of Project Site:

City Easements

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	0	0	\$1,500,000

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Engineering Service					20,000		\$20,000
Architect/Engineering					150,000		\$150,000
Construction					330,000	1,000,000	\$1,330,000
Totals					\$500,000	\$1,000,000	\$1,500,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond					500,000	1,000,000	\$1,500,000
Pay-As-You-Go							
Other							
Totals					\$500,000	\$1,000,000	\$1,500,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Major Collection System Repairs
Project Manager(s): Tim Mitchell

Description:

Major repairs or replacement of the City's Wastewater Collection System. Costs of repairs are beyond normal operating budget for the Utility Division.

Timetable:

On an as needed basis.

Location:

Various locations in the City

Status of Project Site:

City Easements or Rights of Way.

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated
	<u>Prior:</u>	<u>Beyond:</u>	<u>Project Cost:</u>
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Improvements	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
Totals	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	500,000	500,000	500,000	500,000	500,000	500,000	\$3,000,000
Pay-As-You-Go							
Other							
Totals	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$3,000,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Rainleader Disconnect Program (CSO)
Project Manager(s): Greg Poff

Description:

Combined Sewer Overflow (CSO) program for disconnecting rainleaders from the City sewer system.

Timetable:

Implemented in conjunction with CSO Separation Projects. Timing is variable dependent on funding.

Location:

Various locations in combined sewer area.

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated
	<u>Prior:</u>	<u>Beyond:</u>	<u>Project Cost:</u>
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Architect/Engineering	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Rainleader Disc. Payments	50,000	50,000	50,000	50,000	50,000	50,000	\$300,000
Totals	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	100,000	100,000	100,000	100,000	100,000	100,000	\$600,000
Pay-As-You-Go							
Other							
Totals	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Sewer Extensions
Project Manager(s): Tim Mitchell, Lee Newland

Description:

Provide for the extension of sewer lines into unserved areas of the City due to new construction, failed septic systems or economic development. Also used to reimburse developers per City Code for constructing City sewers.

Timetable:

On an as-needed basis

Location:

Various location in City

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period	Total Accumulated
	<u>Prior:</u>	<u>Project Cost:</u>
	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
City Engineering	20,000	20,000	20,000	20,000	20,000	20,000	\$120,000
Construction	130,000	130,000	130,000	130,000	130,000	130,000	\$780,000
Contract Administration	30,000	30,000	30,000	30,000	30,000	30,000	\$180,000
Contingency	20,000	20,000	20,000	20,000	20,000	20,000	\$120,000
Totals	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	200,000	200,000	200,000	200,000	200,000	200,000	\$1,200,000
Pay-As-You-Go							
Other							
Totals	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Sewer Separation / Rehabilitation (CSO)
Project Manager(s): Greg Poff

Description:

Separation and rehabilitation of existing combined sewers including construction of new lines with low interest State loans and local borrowing. Funding schedule dependent on Federal and State funding availability.

Timetable:

Dependant on funding. Projected to continue for 15-20 years.

Location:

Various locations in City

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period	Total Accumulated
	<u>Prior:</u>	<u>Project Cost:</u>
	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
City Engineering	46,500	46,500	56,000	56,000	49,000	37,000	\$291,000
Consultant Services	116,250	116,250	140,000	140,000	122,500	92,500	\$727,5000
Construction	2,046,000	2,046,000	2,464,000	2,464,000	2,156,000	1,628,000	\$12,804,000
Contract Administration	116,250	116,250	140,000	140,000	122,500	92,500	\$727,5000
Totals	\$2,325,000	\$2,325,000	\$2,800,000	\$2,800,000	\$2,450,000	\$1,850,000	\$14,550,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	225,000	225,000	800,000	800,000	250,000	250,000	\$2,550,000
Pay-As-You-Go	2,100,000	1,100,000	1,000,000	1,000,000	1,200,000	600,000	\$7,000,000
Other		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	\$5,000,000
Totals	\$2,325,000	\$2,325,000	\$2,800,000	\$2,800,000	\$2,450,000	\$1,850,000	\$14,550,000

Sources of Program Funding FY 2004-2009

Local: 58%
State/Federal: 42%



Project Title: Sewer System Master Study
Project Manager(s): Tim Mitchell

Description:

Comprehensive study of the condition of the City's sewer system and extensions to unsewered areas of the City.

Timetable:

FY 2004 Q1-4: Architect/Engineering Services.

Location:

N/A

Status of Project Site:

N/A

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated Project Cost:
	<u>Prior:</u>	<u>Beyond:</u>	
	0	0	\$150,000

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Architect/Engineering	150,000						150,000
Totals	\$150,000						\$150,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	150,000						150,000
Pay-As-You-Go							
Other							
Totals	\$150,000						\$150,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Wastewater Treatment Plant Alternate Disinfection Project
Project Manager(s): Tim Mitchell

Description:

Installation of an alternative disinfection system. Originally installed in 1974, the current facilities are in need of replacement with a safer process to eliminate the hazards of liquid chlorine.

Timetable:

FY 2005 Q1-4: Architect/Engineering Services
 FY 2006 Q1-4: Construction

Location:

Waste Water Treatment Plant on Concord Turnpike

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

Undetermined until designed.

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated
	<u>Prior:</u>	<u>Beyond:</u>	<u>Project Cost:</u>
	0	0	\$850,000

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Design		100,000					\$100,000
Construction			750,000				\$750,000
Totals		\$100,000	\$750,000				\$850,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond							
Pay-As-You-Go		100,000	750,000				\$850,000
Other							
Totals		\$100,000	\$750,000				\$850,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:



Project Title: Wastewater Treatment Plant Improvements
Project Manager(s): Tim Mitchell

Description:

General repairs, replacement or renovation to major plant process equipment or structures at the Wastewater Treatment Plant.

Timetable:

As needed

Location:

Waste Water Treatment Plant on Concord Turnpike

Status of Project Site:

City Owned

Operating Budget Impact (Overall operating expenses and projected staffing requirements):

N/A

FY 2004-2009 Program Period Funding:	Funding Outside of Program Period		Total Accumulated
	<u>Prior:</u>	<u>Beyond:</u>	<u>Project Cost:</u>
	Continuing	Continuing	Continuing

Six Year Proposed Funding to be Financed by the City

Activity Name	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Program Period Estimate
Architect/Engineering	50,000	20,000	20,000	20,000	20,000	20,000	\$150,000
Construction	200,000	80,000	80,000	80,000	80,000	80,000	\$600,000
Totals	\$250,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$750,000

Sources of Funding/Cash Needs

Sources of Funding	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Total Funding
G. O. Bond	250,000	100,000	100,000	100,000	100,000	100,000	\$750,000
Pay-As-You-Go							
Other							
Totals	\$250,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$750,000

Sources of Program Funding FY 2004-2009

Local: 100%

State/Federal:

Other:



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